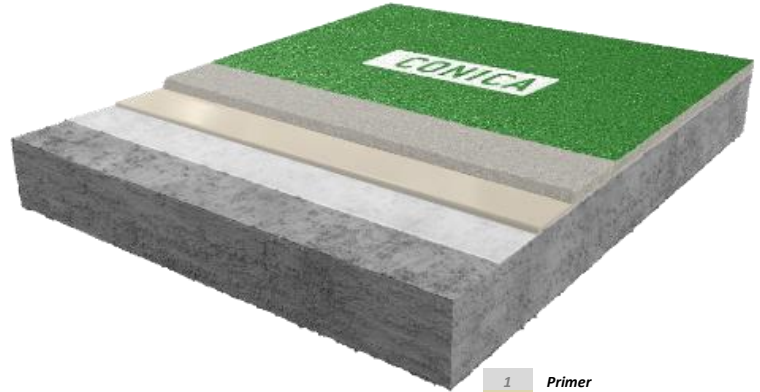


CONIFLOOR IPS SR

(Industrial Polyurethane System Slip Resistant)

Tough-hard, low-emission floor coating based on polyurethane resin; statically crack bridging, anti-slip, mechanically resilient for indoor and outdoor use



1	Primer
2.1	Scratch coat optional
2.2	Levelling optional
3	Wear coat with QS
4	Topcoat

System design and consumption

LAYER	PRODUCT	CONSUMPTION (kg/m ²)	QS / FILLER (kg/m ²)	APPLICATION	
1	Primer on strongly absorbent u. porous substrates, if necessary, 2-layer application *	CONIFLOOR 110 / CONIFLOOR 116LE	0.3 – 0.5 * 2-layers if necessary or scratch coat	QS 03/08 0.8 – 1.0	Squeegee / roller / brush Sand broadcasting, not in excess
2.1	Scratch coat / levelling (optional)	CONIFLOOR 110 / CONIFLOOR 116LE filled with QS 01/03	0.6 – 1.0 QS 01/03 MR ≤ 1:1	QS 03/08 2.0 – 3.0	Trowel / smoothing rake / notched trowel or squeegee Sand broadcasting, not in excess
2.2	Pore sealer / levelling layer (recommend)	CONIFLOOR 420	0.8 – 1.0	none	Trowel / smoothing rake / notched trowel or rake
3	Tough-hard wear coat with QS broadcasting	CONIFLOOR 420 if necessary fillable with QS 01/03 (up to 20%) Depending on layer thickness and temperatures	1.2 – 1.5 on with QS broadcast primer 1.6 – 1.8	QS 03/08 or 06/12 min. 3.5 – 5.0 in excess	Trowel / smoothing rake / notched trowel or rake
4	Topcoat, pigmented, glossy	CONIFLOOR EP 570 C / CONIFLOOR 420** / CONIFLOOR 585/1 C	0.5 – 0.9	none	Trowel / smoothing rake / notched trowel or squeegee Re-rolling with roller recommend
System layer thickness		ca. 2.0 – 3.0 mm			

Subsoil

Surfaces must be clean, stable, and free of cracks and voids. In general, substrates must be provided in accordance with the applicable regulations. (See also "General processing guidelines for CONICA coatings, CONICA seals and CONICA parking deck coating systems"). Adhesive tensile strength ≥ 1.5 N / mm², max. Residual moisture ≤ 4% -CM, on cementitious substrates. Special precautions must be taken in the event of higher residual moisture levels and moisture by rising water. Preparation of the surface e.g. by grinding (diamond) or shot blasting (Blastrac) with subsequent sweeping and vacuuming is mandatory. The above-mentioned consumption values have been determined in the laboratory under practical conditions to achieve the technical properties. In the case of existing on-site conditions and conditions such as temperature, surface roughness etc., the consumption values may deviate from the stated values. In case of doubt, we recommend creating sample areas on site.

Notes

For other substrates, which are not mentioned here or special requirements, special primers must be used if necessary, please ask our technical service. Detailed processing instructions can be found in the respective product data sheets or are available on request.

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** The yellowing occurring under the influence of UV light depends on the intensity and the colour; the technical properties are not negatively influenced by the yellowing!

Areas of application

- Production areas with wet conditions
- Production in Food and Beverage, Catering
- Ware houses and logistics
- Cold storage
- Garages, loading ramps
- Workshops

System properties

- **Very high** UV and colour resistance with pigmented aliphatic top coat
- **Wide range of colours** accord. to RAL and NCS
- **Very low emissions** tested according to AgBB, M1, A ++ and other standards
- Slip resistant surfaces R9 – R11
- **Trafficable** with forklift and pallet trucks and similar
- **ISEGA certificate** for food processing areas (with CF 570 C)
- **Hygienic**, joint and seamless surfaces easy to clean
- Statically **crack bridging**
- Flame retardant class **B_{fl}-s1**



Technical data (internal / external approvals)

PROPERTIES	STANDARD	VALUES
ISEGA Certificate	EN 1186 / EN 13130 / CEN/TS 14234	Requirements fulfilled with CF 570 C as topcoat
Statically crack bridging	EN 1062-7	Class A3 > 0,5 mm
Elongation at break (Coating)	DIN 53504	ca. 30 %
Shore-Hardness	DIN ISO 868	69 D after 28 d
Flexural strength	EN 196 / ASTM C109	ca. 28 N/mm ²
Compressive strength	EN 196 / ASTM C109	ca. 51 N/mm ²
Chemical resistance	EN ISO 2812-1	DiBT Test liquids 2, 3, 10, 11 others on request
Impact strength	DIN EN 13813	≥ 4 Nm (IR4)
Abrasion resistance (Taber)	ISO 9352, ASTM D 1044	≤ 78 mg (incl. top coat)
Abrasion resistance (BCA)	DIN EN 13813	AR ≤ 1,0
Slip resistance	DGUV guide line 108-003 / DIN 51130	Class R10 / R11 / R12
Adhesive strength	DIN ISO 4624	≥ 1,5 N/mm ² (Depends on substrate)
Fire classification	EN 13501-1	B _{fl} -s1

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With the publication of this issue, all previous information on this system is no longer up to date. Since the data sheets are updated regularly, it is the responsibility of the user to have the current version available. Registered users can download current data sheets from our homepage at any time. We would be happy to send them to you on request.